

US EPA ARCHIVE DOCUMENT

ENVIRONMENTAL FATE AND EFFECTS DIVISION
ECOLOGICAL EFFECTS BRANCH

List B Phase 4 - Response on Existing Studies Reviewed

CHEMICAL AI NAME: Brodifacoum
CHEMICAL NO.: 112701

CASE NO.: 2755

REVIEWER'S NAME: James J. Goodyear
TELEPHONE NUMBER: 703-557-7726
DATE: January 4, 1991

USE PATTERN(S): In and around buildings.

GUIDELINE NO.: 71-3. Wild Mammal Toxicity.

TITLE: Determination of the Oral LD₅₀ of Brodifacoum for Mink. Submitted by ICI Americas, Inc., Agricultural Products, Wilmington, Delaware 19897. RR 90-292 B.

MRIDS AND DATES OF STUDIES REVIEWED: MRID 80248, c. 1979 in 92195-006, 1990

MRIDS AND DATES OF FULLY ACCEPTABLE STUDIES: None.

COMMENTS: Supplementary, NOEL < 0.116 mg/kg.

No DER was found in EEB's files for this study. The two highest concentrations are too widely separated to be of use. The "Protocol for determination of oral LD₅₀ for Mink" specifies .04, .12, .36, 1.08, and 3.24 mg/kg. If it was believed that a higher range of concentrations was needed, then the entire range should have been increased, not just its highest member.

If, as stated, the species presented a difficulty because food passes through their digestive tract too quickly, another subject should be chosen. Although, this may be a trait of the Mustelids generally and, therefore, the high LD₅₀ accurately reflects the conditions in the wild.

The study must be repeated in order to meet the data requirement.



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Results

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MRID

► 1) 80248

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Summary Information For Study 80248

MRID: 80248

Citation Reference: Ringer, R.K.; Aulerich, R.J.; Padgett, G.; et al. (1979) Determination of Oral LD₅₀ of Brodifacoum for Mink. (Unpublished study received Jul 22, 1981 under 10182-38; prepared by Michigan State Univ., Dept. of Poultry Science, Fur Animal Project, submitted by ICI Americas, Inc., Wilmington, Del.; CDL:245704-S)

Author: Ringer, R.K.
Aulerich, R.J.
Padgett, G.

Content Category: Complete primary report -- experimental research

Receipt Date: 22-Jul-1981

Laboratory Project #:

Accession #: 245704 S

Products Tested:

Status: Unacceptable (07-Jun-1991)

DP #:

Ingredients

PC Code	CAS #	Ingredient Name
112701	56073-10-0	Brodifacoum
Total Rows: 1		

Laboratory

Laboratory #	Laboratory Name
969998	Michigan State University
Total Rows: 1	

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